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#10	Search fusin and cancer	16:22:47	507
#9	Search HM89 and malignant	16:20:28	0
#8	Search HM89 and tumor	16:20:13	1
#7	Search HM89 and cancer	16:19:04	1
#6	Search lester and leukocyte	16:17:17	40
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DATE: Saturday, January 19, 2008

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<input type="checkbox"/>	L19	L18 AND @ay<=1998	51
<input type="checkbox"/>	L18	L14 AND antibody	1392
<input type="checkbox"/>	L14	((malignant NEAR hematopoietic) OR leukemic OR leukemia) AND (CXCR4 OR Fusin OR LESTR OR (SDF-1 ADJ receptor) OR CXCR-4)	1500
<input type="checkbox"/>	L13	L12 AND (antibody NEAR (CXCR4 OR LAP3 OR Fusin OR LESTR OR (SDF-1 ADJ receptor) OR WHIM OR CD184 OR CXCR-4 OR NPY3R OR NPYR))	5
<input type="checkbox"/>	L12	L11 AND @ay<=1998	162
<input type="checkbox"/>	L11	(CXCR4 OR LAP3 OR Fusin OR LESTR OR (SDF-1 ADJ receptor) OR WHIM OR CD184 OR CXCR-4 OR NPY3R OR NPYR) AND (tumor OR neoplastic OR neoplasia OR malignant OR cancer) AND antibody	2432
<input type="checkbox"/>	L10	L9 AND @ay<=1998	2
<input type="checkbox"/>	L9	HM89 AND (cancer OR neoplastic OR neoplasia OR malignant OR tumor)	19
<input type="checkbox"/>	L8	HM89 AND (cancer OR neoplastic OR neoplasia OR malignant)	19
<input type="checkbox"/>	L7	L2 AND (antibody NEAR (CXCR4 OR LAP3 OR Fusin OR LESTR OR (SDF-1 ADJ receptor) OR WHIM OR CD184 OR CXCR-4 OR NPY3R OR NPYR))	5
<input type="checkbox"/>	L6	L2 AND stromal	25
<input type="checkbox"/>	L5	L2 AND fusin	61
<input type="checkbox"/>	L4	L2 AND LESTR	25
<input type="checkbox"/>	L3	L2 AND CXCR4	47
<input type="checkbox"/>	L2	L1 AND @ay<=1998	135
<input type="checkbox"/>	L1	(CXCR4 OR LAP3 OR Fusin OR LESTR OR (SDF-1 ADJ receptor) OR WHIM OR CD184 OR CXCR-4 OR NPY3R OR NPYR) AND cancer AND antibody	2204

END OF SEARCH HISTORY

Symbol **Name**
 **CXCR4** chemokine (C-X-C motif) receptor 4


Synonyms
 CD184, CD184 antigen, C-X-C chemokine receptor type 4, CXCR-4, CXC-R4, D2S201E, FB22, fusin, Fusin, HM89, HSY3RR, LAP3, LCR1, LESTR, Leukocyte-derived seven transmembrane domain receptor, NPY3R, NPYR, NPYRL, NPY3R, SDF-1 receptor, Stromal cell-derived factor 1 receptor, WHIM


Organism
 Homo sapiens

UniProt P61073, Q53S69, Q5MIL4
 IntAct P61073
 OMIM 193670, 162643
 NCBI Gene 7852
 NCBI RefSeq NP_003458, NP_001008540
 NCBI RefSeq NM_003467, NM_001008540
 NCBI UniGene 7852
 NCBI Accession CR601301, AF025375

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
Homologues of CXCR4 ...

Interaction information for CXCR4  ...

Most recent information for CXCR4  ... **new**

Enhanced PubMed/Google query ...


CXCR4 , another important **HIV-1** coreceptor, is also sulfated. [1999]


Thus, the development of **CXCR4**  antagonists or agonists may be useful in the treatment of **HIV-1** infection. [1997]


This approach was utilized to inhibit human immunodeficiency virus type I (**HIV-1**) infection in human cells. siRNAs with homology to a motif in the mRNA that encodes for the **HIV-1** chemokine coreceptor **CXCR4**  was utilized. [2004]


CXCR4  is the major co-receptor used by X4 strains of human immunodeficiency virus type I (**HIV-1**). [2001]


In contrast, **HIV-1** variants that use **CXCR4**  are typically detected at the later stages, and are associated with a rapid decline in CD4+ T cells and progression to AIDS (refs. 2,7-11). [2001]

A small molecule **CXCR4**  inhibitor that blocks T cell line-tropic **HIV-1** infection. [1997]

AMD3100, a small molecule inhibitor of **HIV-1** entry via the **CXCR4**  co-receptor. [1998]

Thus, **AMD3100** prevents **CXCR4**  functioning as both a **HIV-1** co-receptor and a CXC-chemokine receptor. [1998]

Several non-Hodgkin cell lines, targets of **CXCR4** -dependent (X4) **HIV-1** infection, were positive for CD30 expression. [2003]

The resulting [MLV(SiVagm-X4)] vectors were shown to specifically transduce CD4/**CXCR4** -positive cell lines, demonstrating the equivalent function in cell entry and choice of coreceptor usage of the V3-loops of SiVagm and **HIV-1**. [2002]

Laboratory isolates of human immunodeficiency virus type 1 (**HIV-1**) that utilize **CXCR4** as a coreceptor infect primary human macrophages

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Batch Citation Matcher	#39	Search LESTR and angiogenesis	19:22:10	1
Clinical Queries	#38	Search CXCR4 and angiogenesis	19:21:50	137
Special Queries	#36	Search fusin and angiogenesis	19:19:10	92
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#8 Search cancer HSY3RR	18:44:50	2001998
#7 Search cancer HM89	18:44:03	1
#6 Search cancer fusin	18:43:47	504
#5 Search cancer FB22	18:43:26	0
#4 Search cancer D2S201E	18:43:15	0
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